

Multimedia appendix 7: Main outcomes and outcome categories in gray literature

A) Conference abstracts (n=54)

| Outcome category | Outcome classification ^a , n(% ^b) | | | Total, n (% ^d) |
|--|--|-----------|----------------------------|----------------------------|
| | Primary | Secondary | Not specified ^c | |
| Patient outcomes | | | | |
| Mortality | 3 (13) | 1 (4) | 19 (83) | 23 (43) |
| Sepsis identification | 11 (42) | 1 (4) | 14 (54) | 26 (48) |
| Length of stay | 0 (0) | 0 (0) | 5 (100) | 5 (9) |
| Intensive care unit admission | 0 (0) | 0 (0) | 5 (100) | 5 (9) |
| Other | 1 (14) | 0 (0) | 6 (86) | 7 (13) |
| Sepsis Treatment and Management | | | | |
| Antibiotics | 3 (27) | 0 (0) | 8 (73) | 11 (20) |
| Lactate | 0 (0) | 0 (0) | 1 (100) | 1 (2) |
| Fluids | 0 (0) | 0 (0) | 5 (100) | 5 (9) |
| Blood culture | 0 (0) | 1 (33) | 2 (67) | 3 (6) |
| Sepsis bundle or protocol compliance | 1 (13) | 0 (0) | 7 (88) | 8 (15) |
| Other | 1 (8) | 1 (8) | 10 (83) | 12 (22) |
| Usability | | | | |
| Efficiency | 0 (0) | 1 (50) | 1 (50) | 2 (4) |
| Effectiveness | 0 (0) | 1 (50) | 1 (50) | 2 (4) |
| Satisfaction | 0 (0) | 1 (25) | 3 (75) | 4 (7) |
| Cost | | | | |
| Cost | 0 (0) | 0 (0) | 1 (100) | 1 (2) |

B) Theses (n=5)

| Outcome category | Outcome classification ^a , n(% ^b) | | | Total, n (% ^d) |
|--|--|-----------|----------------------------|----------------------------|
| | Primary | Secondary | Not specified ^c | |
| Patient outcomes | | | | |
| Mortality | 0 (0) | 1 (50) | 1 (50) | 2 (40) |
| Sepsis identification | 0 (0) | 0 (0) | 3 (100) | 3 (60) |
| Length of stay | 0 (0) | 1 (50) | 1 (50) | 2 (40) |
| Other | 0 (0) | 1 (50) | 1 (50) | 2 (40) |
| Sepsis Treatment and Management | | | | |
| Antibiotics | 0 (0) | 0 (0) | 2 (100) | 2 (40) |
| Lactate | 0 (0) | 0 (0) | 1 (100) | 1 (20) |
| Fluids | 0 (0) | 0 (0) | 1 (100) | 1 (20) |
| Blood culture | 0 (0) | 0 (0) | 2 (100) | 2 (40) |
| Sepsis bundle or protocol compliance | 0 (0) | 0 (0) | 1 (100) | 1 (20) |
| Other | 1 (33) | 0 (0) | 2 (67) | 3 (60) |
| Usability | | | | |
| Effectiveness | 1 (100) | 0 (0) | 0 (0) | 1 (20) |

^aSome studies reported both primary, secondary, or non-specified outcomes within the same outcome group. To avoid double-counting these studies, secondary outcomes were not counted in favor of counting primary outcomes. Similarly, non-specified outcomes were not counted in favor of primary or

secondary outcomes. For example, a study may have the primary outcome mortality (30-day) and the secondary outcome mortality (7-day), which would both fall into the mortality outcome group. In this example the study would be counted as having mortality as the primary outcome.

^bThese percentages were calculated as row percentages, i.e. using the total number in each row as the denominator.

^cThe study did not specify whether the outcomes were primary or secondary.

^dThe percentages were calculated from the number of conference abstracts (n=54) or theses (n=5), not the number of total outcomes. As many studies reported multiple outcomes the percentages will add up to more than 100%.